

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US98/14569

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(6) :C07H 21/00 US CL :536/22.1 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 536/22.1,23.1,24.1,24.3,24.31,24.32,24.33; 435/6; 436/501; 935/77,78		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS, BIOSIS, MEDLINE, WPI, BIOTECH ABS., MBASE covering terms: ladder, ma, dna, size, mass, equal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	NOVAGEN 1997 CATALOG, (Published by Novagen, P.O. Box 88641, Milwaukee, WI 53288-0641), 1997, pages 115-117, see especially pages 115 and 116.	1-6, 10-12, 16, 21-27, 38-40, 42 ----- 7-9, 13-15, 17-20, 28-37, 41
Y	US 4,403,036 A (HARTLEY et al.) 06 September 1983, see the entire disclosure.	1-42
A	US 5,030,566 A (SON et al.) 09 July 1991, see entire disclosure.	1-42
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family	
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search 01 OCTOBER 1998	Date of mailing of the international search report <b>27 OCT 1998</b>	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer <i>Diana H. F. H. / 97</i> ARDIN MARSCHER Telephone No. (703) 308-0196	

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,316,908 A (CARLSON et al.) 31 May 1994, see entire disclosure.	1-42
A	US 5,108,179 A (MYERS) 28 April 1992, see entire disclosure.	1-42